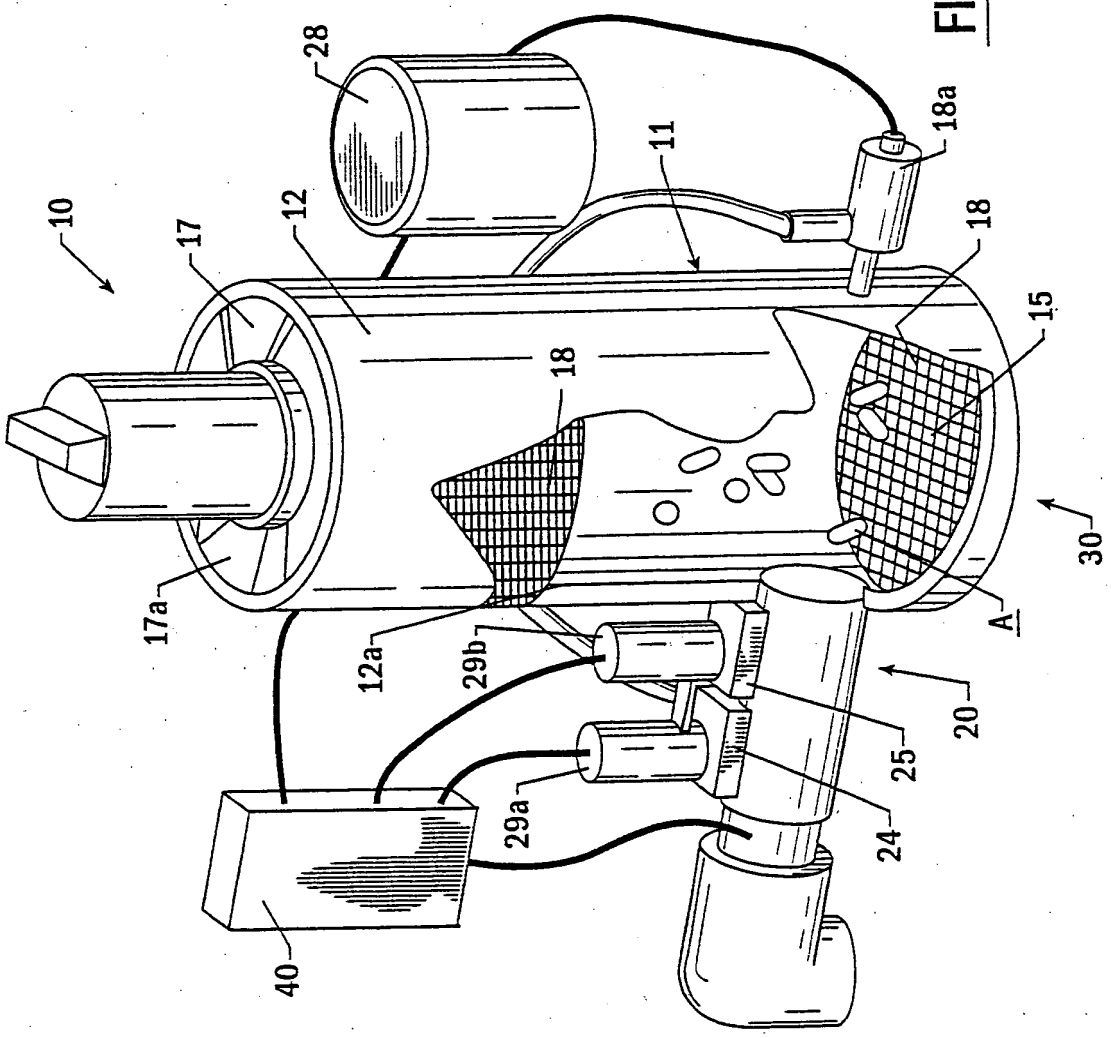



FIG. 1

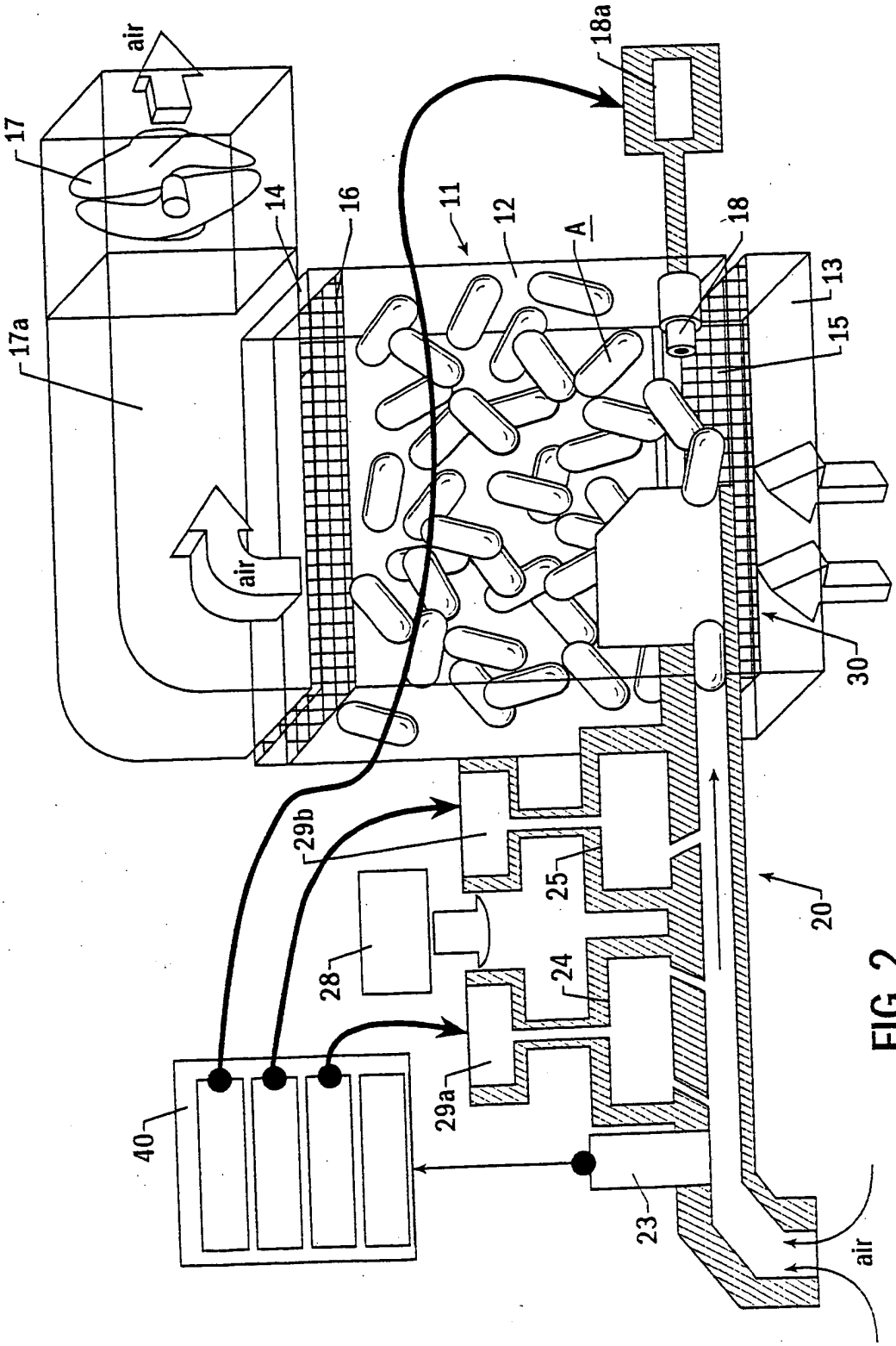

air
17
14
16
11
12
A
18a
18
13
15
17a
air
30
29b
25
20
28
24
29a
40
23
air

FIG. 2

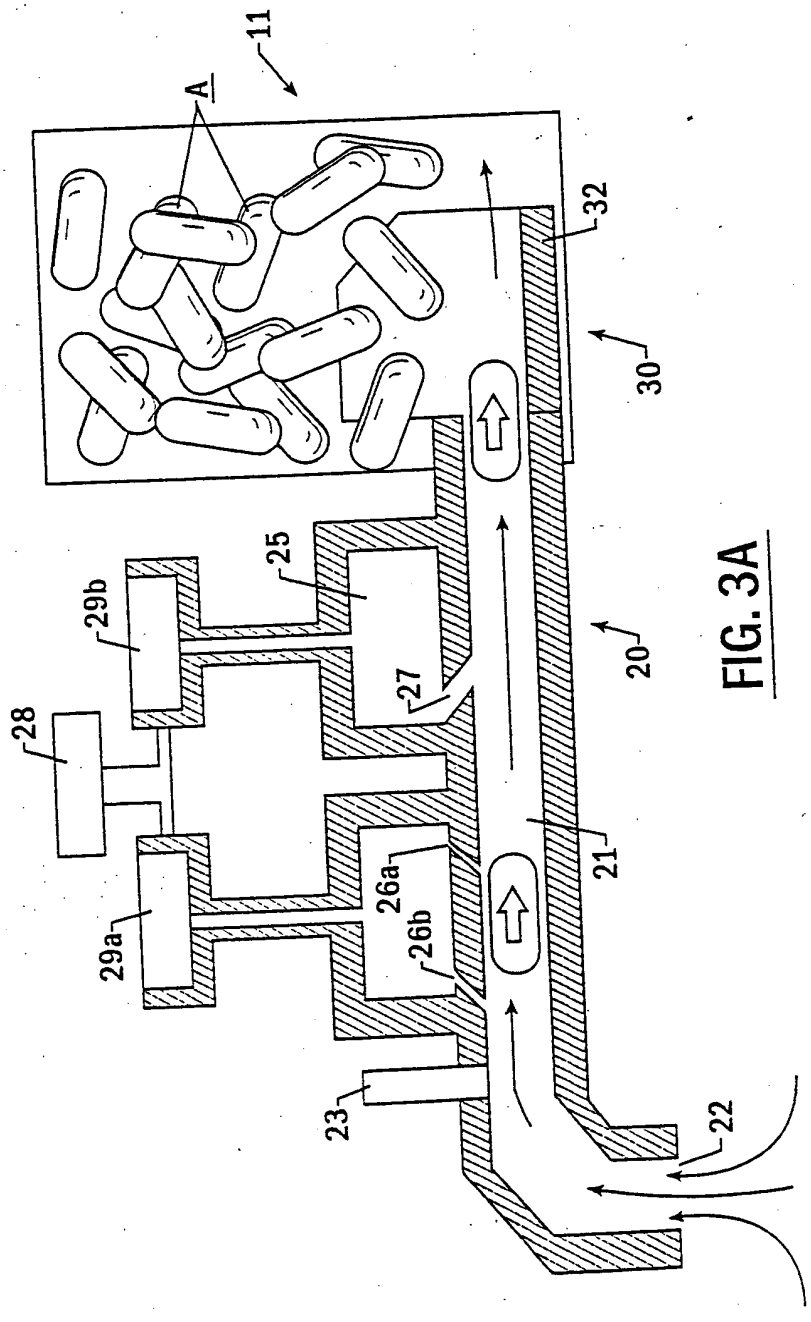



FIG. 3A

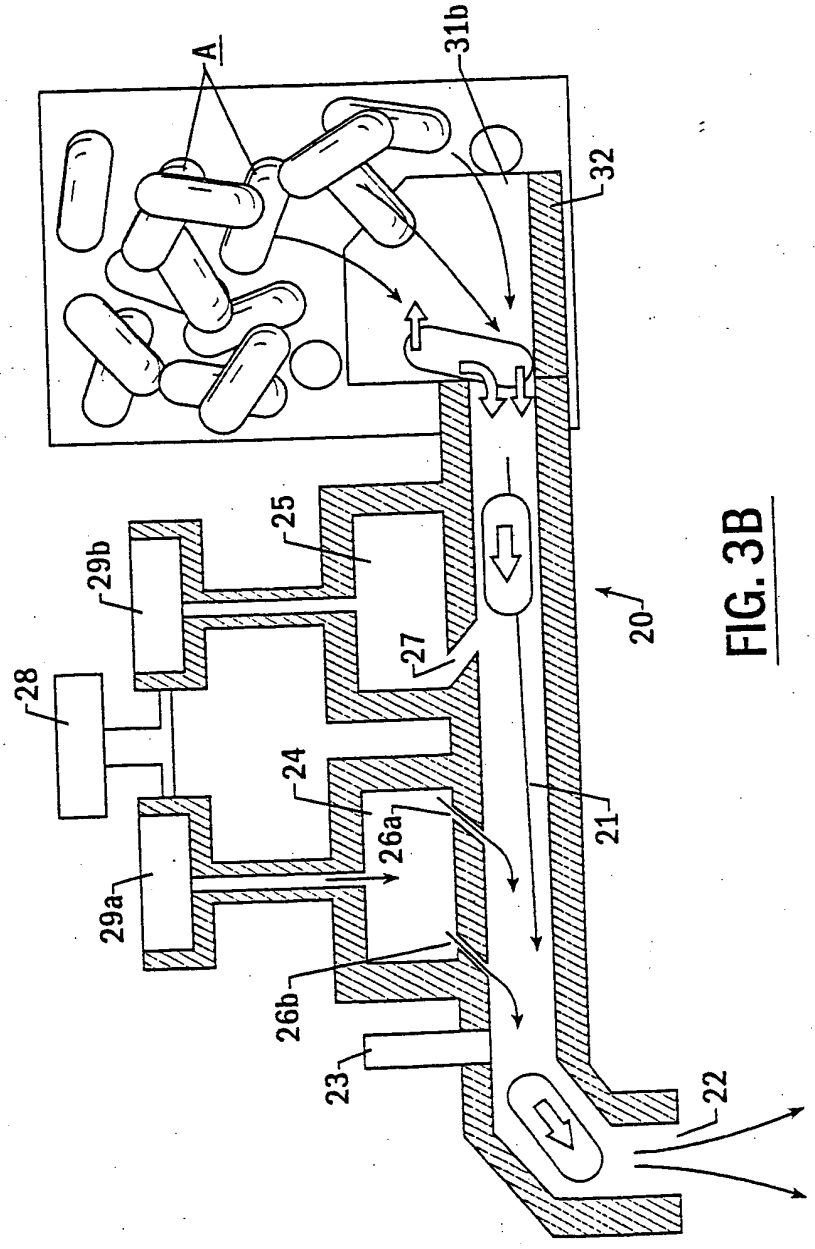



FIG. 3B

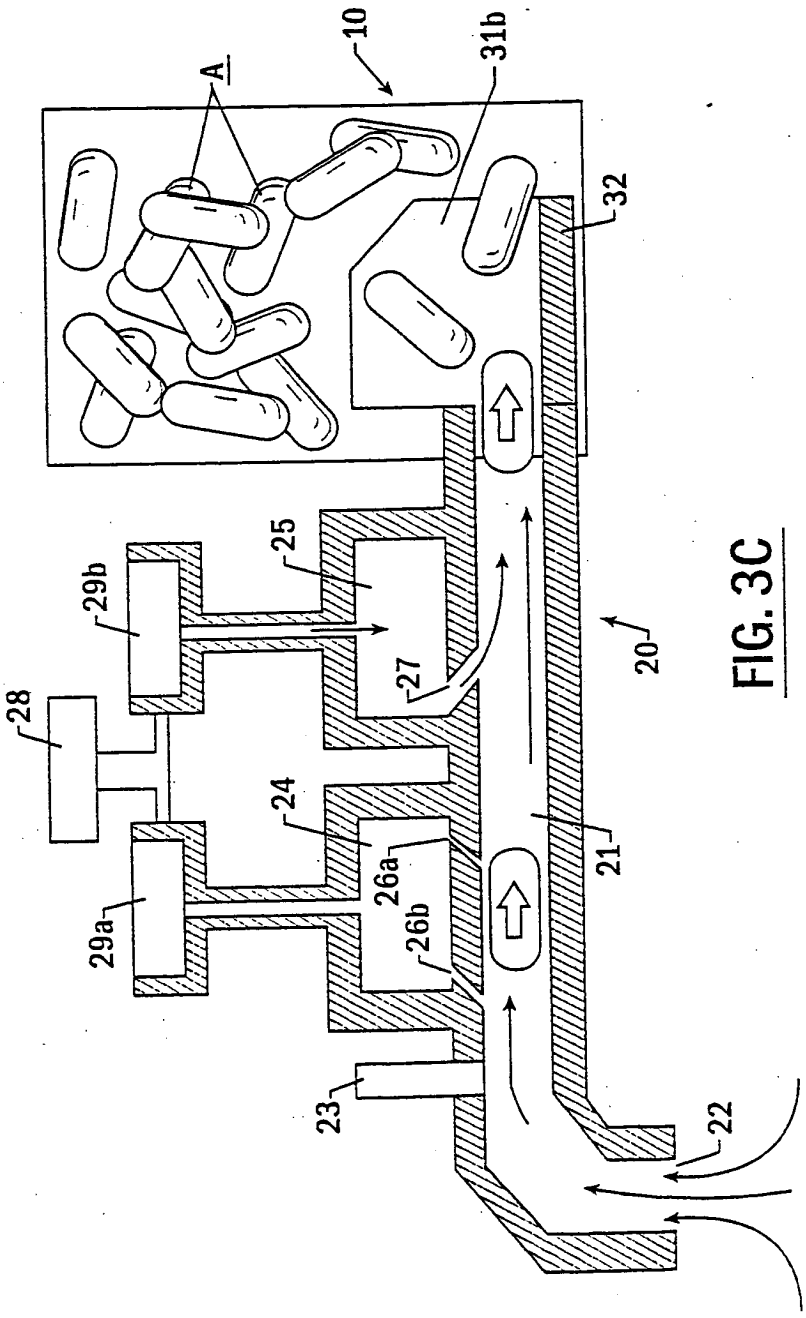



FIG. 3C

FIG. 4A

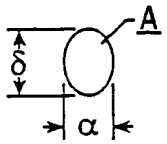



FIG. 4B

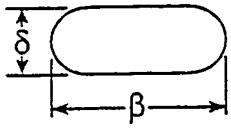



FIG. 4C

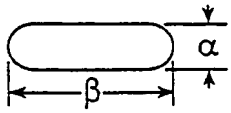



FIG. 5A

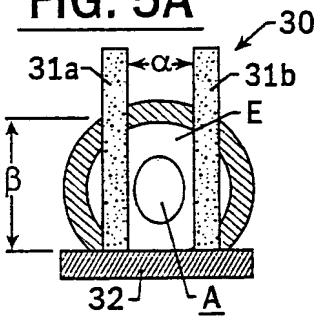



FIG. 5B

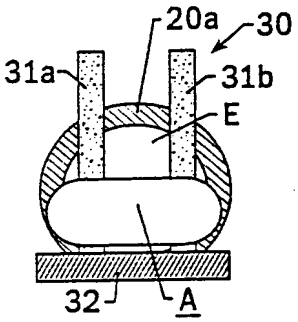



FIG. 5C

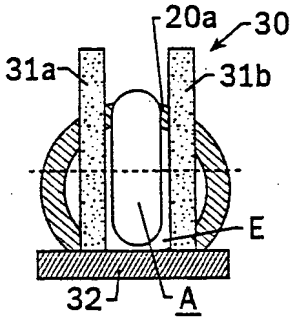



FIG. 6A

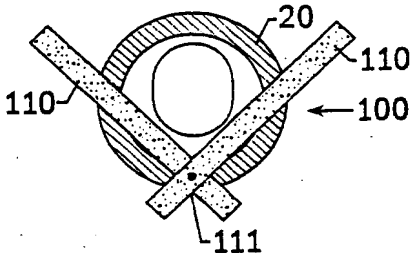



FIG. 6B

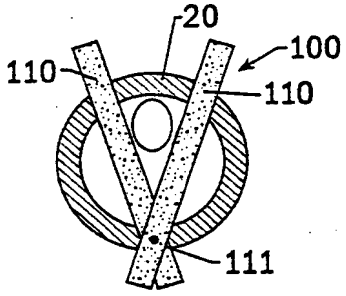



FIG. 7A

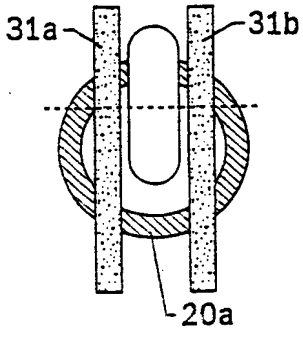
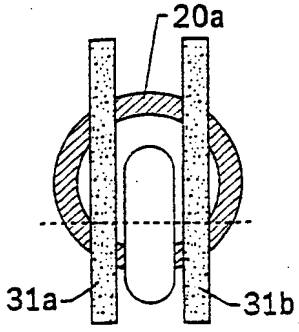



FIG. 7B



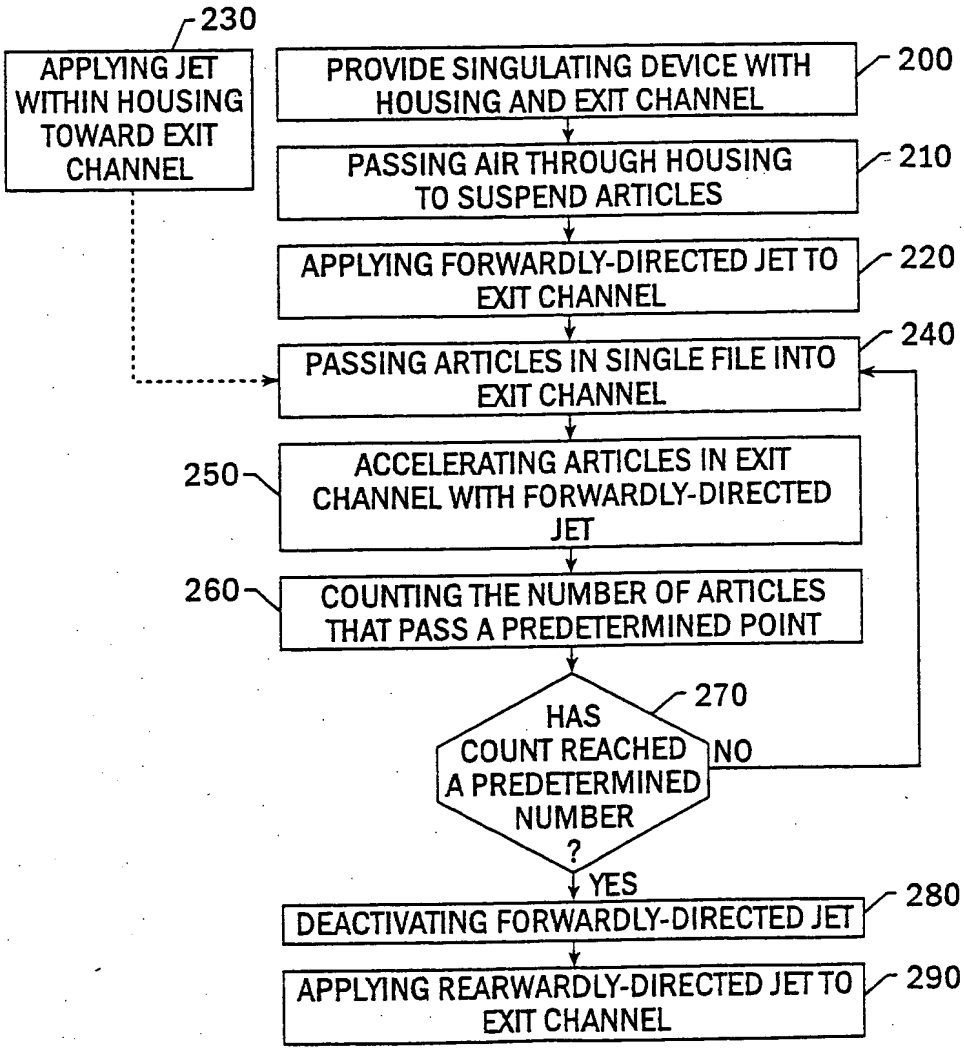

230
APPLYING JET WITHIN HOUSING TOWARD EXIT CHANNEL
PROVIDE SINGULATING DEVICE WITH HOUSING AND EXIT CHANNEL
200
PASSING AIR THROUGH HOUSING TO SUSPEND ARTICLES
210
APPLYING FORWARDLY-DIRECTED JET TO EXIT CHANNEL
220
240
PASSING ARTICLES IN SINGLE FILE INTO EXIT CHANNEL
250
ACCELERATING ARTICLES IN EXIT CHANNEL WITH FORWARDLY-DIRECTED JET
260
COUNTING THE NUMBER OF ARTICLES THAT PASS A PREDETERMINED POINT
270
HAS COUNT REACHED A PREDETERMINED NUMBER ?
NO
YES
280
DEACTIVATING FORWARDLY-DIRECTED JET
290
APPLYING REARWARDLY-DIRECTED JET TO EXIT CHANNEL

FIG. 8